Data Sheet

CELSIUS H250

Your mobile workstation

Issue: October 2008

Fujitsu is the leading European IT manufacturer. With a strategic focus on innovative mobility and the dynamic data center, we offer a unique range of products and services from notebooks and desktops to servers and IT infrastructure solutions. Famous German engineering and exceptional in-house quality testing capabilities in our test centers ensure extraordinary product quality and reliability across all product lines.

CELSIUS H250

No more compromises on graphics performance even when constantly running demanding power-hungry 3D applications. Say hello to a true visual experience. The portable CELSIUS H250 offers its entire performance from a fully equipped workstation at every place - with comprehensive certification for a large number of leading workstation applications.

Workstation performance

Higher productivity thanks to mobile workstation performance.

- Intel® Centrino® with vPro™ technology and professional NVIDIA graphics

Convenient working

A very high degree of mobility due to optimized weight and form factor.

- 15.4-inch WUXGA or WSXGA+ display at 2.55 kg

Unlimited connectivity

Access to your data, whereever you are, everytime, everywhere

- Integrated 3G/UMTS, WLAN and Bluetooth optionally available.

Certified for ISV's

Guaranteed stability, compatibility and performance for the main workstation applications.

- Comprehensive system certifications in close cooperation with Independent Software Vendors (ISV)

Components

Processor	Intel® Core™2 Duo T9500 (2.6 GHz, 6 MB, 800 MHz) Intel® Core™2 Duo T9300 (2.5 GHz, 6 MB, 800 MHz) Intel® Core™2 Duo T8300 (2.4 GHz, 3 MB, 800 MHz) Intel® Core™2 Duo T8100 (2.1 GHz, 3 MB, 800 MHz) Intel® Core™2 Duo T7800 (2.6 GHz, 4 MB, 800 MHz) Intel® Core™2 Duo T7700 (2.4 GHz, 4 MB, 800 MHz) Intel® Core™2 Duo T7500 (2.2 GHz, 4 MB, 800 MHz) Intel® Core™2 Duo T7250 (2.0 GHz, 2 MB, 800 MHz)
Memory modules	4 GB (1 x 4 GB, DDR2), 667 MHz 2 GB (1 x 2 GB, DDR2), 667 MHz 1 GB (1 x 1 GB, DDR2), 667 MHz
Hard disk drives (internal)	320 GB, 5400 rpm, SATA, 2.5-inch S.M.A.R.T. 250 GB, 5400 rpm, SATA, 2.5-inch S.M.A.R.T. 200 GB, 7200 rpm, SATA, 2.5-inch S.M.A.R.T. 160 GB, 7200 rpm, SATA, 2.5-inch S.M.A.R.T. 160 GB, 5400 rpm, SATA, 2.5-inch S.M.A.R.T. 160 GB, 5400 rpm, SATA, 2.5-inch full disk encryption 120 GB, 5400 rpm, SATA, 2.5-inch S.M.A.R.T. 80 GB, 7200 rpm, SATA, 2.5-inch S.M.A.R.T. 80 GB, 5400 rpm, SATA, 2.5-inch S.M.A.R.T. 64 GB SSD SATA, 2.5-inch
Hard disk notes	One Gigabyte equals one billion bytes, when referring to hard disk drive capacity.
WLAN (optional)	Atheros Minicard b/g 802.11 b/g Intel® PRO Wireless 4965 a/g/n
UMTS/HSUPA (optional)	Sierra Wireless MC 8780, supported are GPRS and EDGE or higher (downlink 7.2 MBit/s, uplink 2.0 MBit/s)
Bluetooth (optional)	Bluetooth 2.0
Modular bay options	2nd battery 2nd hard disk drive DVD Super Multi Weight saver

Base unit	**CELSIUS H250 WSXGA+**	**CELSIUS H250 WUXGA**
Chipset	Intel® PM965	Intel® PM965
Memory slots	2 SODIMM	2 SODIMM
Turbo memory	Optional 1 GB	Optional 1 GB
Supported capacity RAM (max.)	8 GB	8 GB
Memory notes	In configurations with 4 GB and more the visible memory may be reduced to approximately 3.5 GB or less (for 32 bit operating systems) and configurations with 8 GB the visible memory may be reduced to approximately 7.5 GB or less (depending on system configuration).	In configurations with 4 GB and more the visible memory may be reduced to approximately 3.5 GB or less (for 32 bit operating systems) and configurations with 8 GB the visible memory may be reduced to approximately 7.5 GB or less (depending on system configuration).
Interfaces		
DC-in	1	1
Audio: in	1	1
Audio: out / SPDIF	1	1
Internal microphones	2	2
Internal speakers	2	2
USB 2.0 total	4	4
VGA	1	1
Serial (RS-232)	1 (9 pin)	1 (9 pin)
S-Video out (TV-out)	1	1
Ethernet (RJ-45)	1	1
Parallel	1 (25 pin)	1 (25 pin)
FireWire (IEEE1394)	1	1
Modem (RJ-11)	1, optional	1, optional
ExpressCard slots	1	1
SmartCard slot	1	1
SIM card slot	1, optional	1, optional
Multicardreader	1 x for SD-card and MS-Pro	1 x for SD-card and MS-Pro
Wired communication		
Modem type	Optional: 56 K V.92 modem MDC1.5	Optional: 56 K V.92 modem MDC1.5
LAN	Built-in 10/100/1000 MBit/s Intel® 82566 MC	Built-in 10/100/1000 MBit/s Intel® 82566 MC
Wireless technologies		
Infrared link (Fast IrDa 1.1, 4 Mbps)	1	1
Bluetooth	Optional	Optional
WLAN	Optional	Optional
UMTS notes	Optional	Optional
Multimedia		
Audio type	On board	On board
Audio codec	Realtek ALC262	Realtek ALC262

Multimedia		
Audio features	High Definition audio, 2 internal microphones, Internal stereo speakers	High Definition audio, 2 internal microphones, Internal stereo speakers
Camera	Built-in Conference Camera, 1.3 megapixel	Built-in Conference Camera, 1.3 megapixel
Slots		
Mini PCI slots	2	2
Graphics		
Display	15.4-inch TFT 1680 x 1050 pixel (WSXGA+)	15.4-inch TFT 1920 x 1200 pixel (WUXGA)
max. resolution external display	1920 x 1200 pixel	1920 x 1200 pixel
Graphics brand name	NVIDIA® Quadro FX 570M	NVIDIA® Quadro FX 570M
Video memory total	512 MB	512 MB
Dedicated video memory	256 MB (GDDR2 VRAM)	256 MB (GDDR2 VRAM)
Shared video memory	256 MB	256 MB
Power supply		
AC adapter	19 V / 100 W (5.27 A)	19 V / 100 W (5.27 A)
Rated voltage range	100 - 240 V	100 - 240 V
Rated frequency range	50 - 60 Hz	50 - 60 Hz
1st battery	Li-Ion battery 8-cell, 5200 mAh, 74.9 Wh	Li-Ion battery 8-cell, 5200 mAh, 74.9 Wh
2nd battery	Optional: 2nd Li-Ion battery 6 cell, 3800 mAh, 41 Wh	Optional: 2nd Li-Ion battery 6 cell, 3800 mAh, 41 Wh
Battery features	Dynamic charge supported (rapid charge)	Dynamic charge supported (rapid charge)
Benchmark	Mobile Mark 2005	Mobile Mark 2005
Runtime 1st battery	4.5 h	4.5 h
Battery notes	Disclaimer: Battery life may vary depending on product model, configuration, applications, power management settings and features utilized. Battery recharge time depends on usage.	Disclaimer: Battery life may vary depending on product model, configuration, applications, power management settings and features utilized. Battery recharge time depends on usage.
Dimensions / Weight / Environmental		
Operating ambient temperature	5 - 35 °C	5 - 35 °C
Operating relative humidity	20 - 85 %	20 - 85 %
Dimension (W x D x H)	360 x 260 x 35 mm	360 x 260 x 35 mm
Weight	2.55 kg	2.55 kg
Weight notes	Weight may vary depending on actual configuration.	Weight may vary depending on actual configuration.
Operating system		
Operating system optional preinstalled	Microsoft® Windows Vista® Business 64bit Microsoft® Windows Vista® Business 32bit	Microsoft® Windows Vista® Business 64bit Microsoft® Windows Vista® Business 32bit
Operating system compatible	Microsoft® Windows® XP Professional x64 Edition Microsoft® Windows® XP Professional Linux	Microsoft® Windows® XP Professional x64 Edition Microsoft® Windows® XP Professional Linux
Operating system notes	RedHat / Novell certification pending For some configurations third party drivers are currently not available or configuration restrictions may apply.	RedHat / Novell certification pending For some configurations third party drivers are currently not available or configuration restrictions may apply.
Additional Software		
Additional software (included as a CD/DVD)	Drivers & Utilities DVD (DUDVD) Windows Vista® Norton Internet Security (incl. Firewall)	Drivers & Utilities DVD (DUDVD) Windows Vista® Norton Internet Security (incl. Firewall)
Manageability		
Manageability type	DeskView 10	DeskView 10
Manageability link	http://ts.fujitsu.com/manageability	http://ts.fujitsu.com/manageability
Security		
Physical security	Kensington Lock support	Kensington Lock support
System security	Embedded security (TPM 1.2) Disable / Hide TPM option Control of external interfaces Write protect option for the Flash EPROM Boot protection for floppy disk / CD drive and write protection for floppy disk drive	Embedded security (TPM 1.2) Disable / Hide TPM option Control of external interfaces Write protect option for the Flash EPROM Boot protection for floppy disk / CD drive and write protection for floppy disk drive
User security	SystemLock BIOS SmartCard security Separate SmartCard slot Integrated Fingerprint Sensor Hard disk password User and supervisor BIOS password SmartCase Logon+ incl. Fingerprint software	SystemLock BIOS SmartCard security Separate SmartCard slot Integrated Fingerprint Sensor Hard disk password User and supervisor BIOS password SmartCase Logon+ incl. Fingerprint software
Compliance		
Germany	GS	GS
Europe	CE	CE
USA/Canada	CSA FCC Class B	CSA FCC Class B
All	RoHS (Restriction of hazardous substances)	RoHS (Restriction of hazardous substances)
Compliance link	https://sp.ts.fujitsu.com/sites/certificates/default.aspx	https://sp.ts.fujitsu.com/sites/certificates/default.aspx
Portreplicator interfaces (optional)		
DC-in	1	
Power on switch	1	
Headphones	1	

Portreplicator interfaces (optional)	
Microphones	1
USB 2.0 total	4
VGA	1
DVI	1 (with HDCP Support)
Serial (RS-232)	1
PS/2 (mouse / keyboard)	1
Ethernet (RJ-45)	1
Parallel	1
Kensington Lock support	2

Information about environmental care, policies, programs and our Environmental Guideline FSC 03230:
http://ts.fujitsu.com/aboutus
Take back and Recycling information:
http://ts.fujitsu.com/recycling

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